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THE INDIAN LINGUISTIC STOCKS OF OAXACA, MEXICO

By WILLIAM H. MECHLING

Introduction

In the year 1886 Dr Antonio Peñafiel collected vocabularies of native languages from all parts of Mexico, but about a third of the total number came from Oaxaca. The volume of these vocabularies that has been printed deals entirely with the well-known Mexican of the Central Plateau region and therefore is of less interest than the rest of the material. With the other four volumes into which Peñafiel divides his manuscripts nothing has been done, although it is hoped that they will soon be published by the Mexican Government. This paper and the accompanying map are based on these vocabularies, which Dr Peñafiel very kindly placed at the disposal of the writer during the winter of 1911–12, when he was the fellow of the Hispanic Society of America in the International School of American Archeology and Ethnology in Mexico City.

As above mentioned, the state of Oaxaca is better represented in this collection than any other. For this reason, and because of the complexity and confusion that exist concerning the linguistic stocks of that state, a study of the numerous vocabularies from this area seemed advisable.

No detailed or accurate map of Oaxaca has yet been published. The map used as a basis for the accompanying linguistic map is a manuscript geological map in possession of the Instituto Geológico of Mexico; this has proved fairly satisfactory, since all but seventeen places have been located on it.

The vocabularies are of two hundred and fifty words each. As they were all collected by different individuals, they are of course recorded with varying degrees of accuracy, and as the recorders had no previous experience in work of this kind, the vocabularies cannot be relied on for the determination of lesser dialectic variations, consequently it has been impossible in many cases to determine the finer linguistic divisions. In the case of the widespread Zapotecan language it was utterly impossible to determine the dialects, hence the older division of Orozco y Berra must suffice until a careful study of this language has been made.

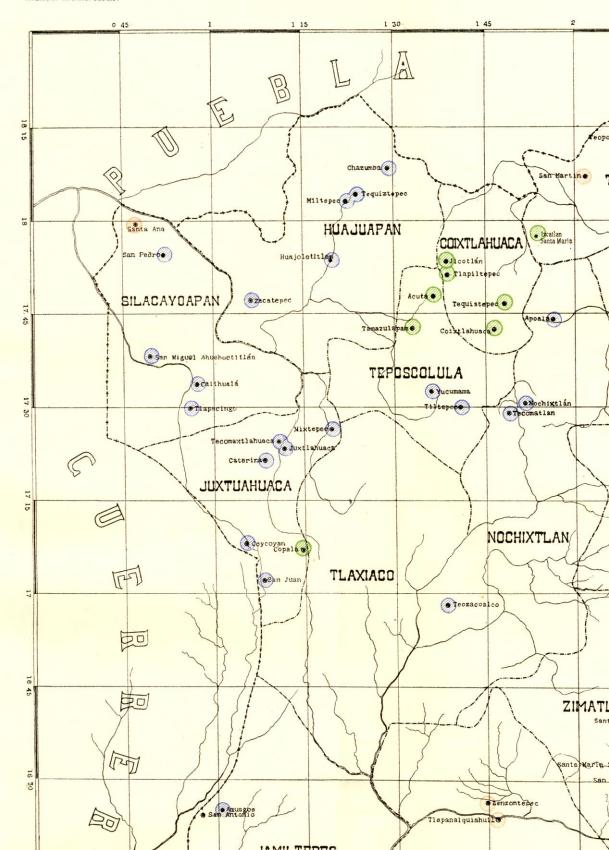
Several maps showing the distribution of the linguistic stocks of Mexico have been hitherto published. The earliest (1864), and in most ways the best, at least for Oaxaca, is the "Carta Etnográfica de México" that accompanies Orozco y Berra's Geografía de las Lenguas de México. For the state of Oaxaca the greatest fault lies in the position given to Trique, which Orozco y Berra places in the southeastern part of the state, adjoining Chontal, instead of in the western part, near the Guerrero border.

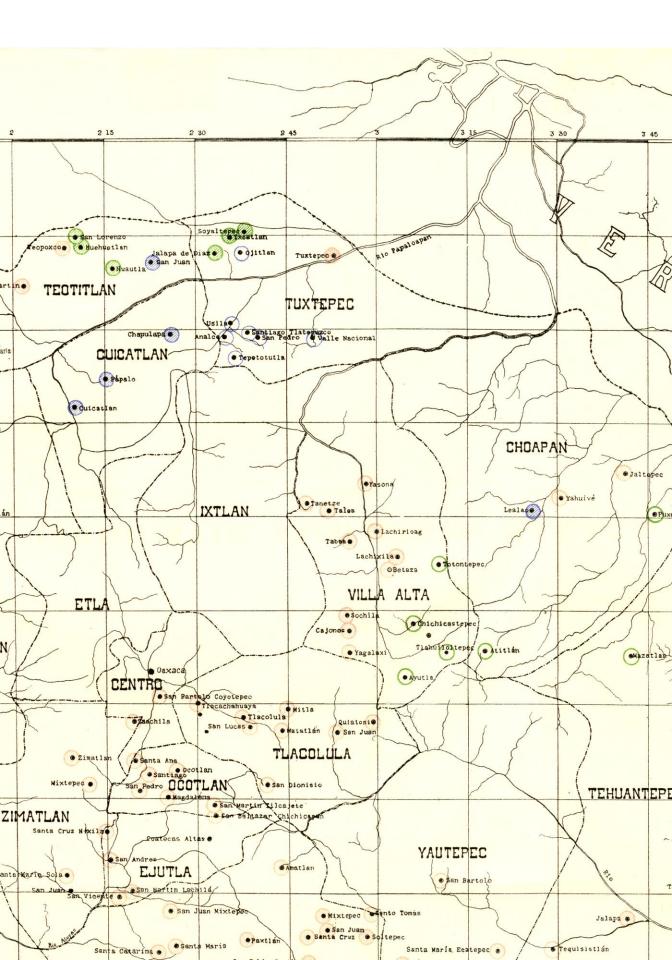
Dr Nicolas León prepared a map which accompanies his paper on the "Familias Lingüísticas de México," published in the *Anales del Museo Nacional* for 1903. For Oaxaca, at least, this map is not so good as that of Orozco y Berra, for the author employs only four different colors, representing respectively the Mixteco-Tzapotecan, Maya-Quichean, Zoque-Mixcan, and Nahuatlan linguistic stocks. Dr León does not give any subdivisions of these on his map, while the Nahuatlan noted thereon is not Mexican, but Chontal.

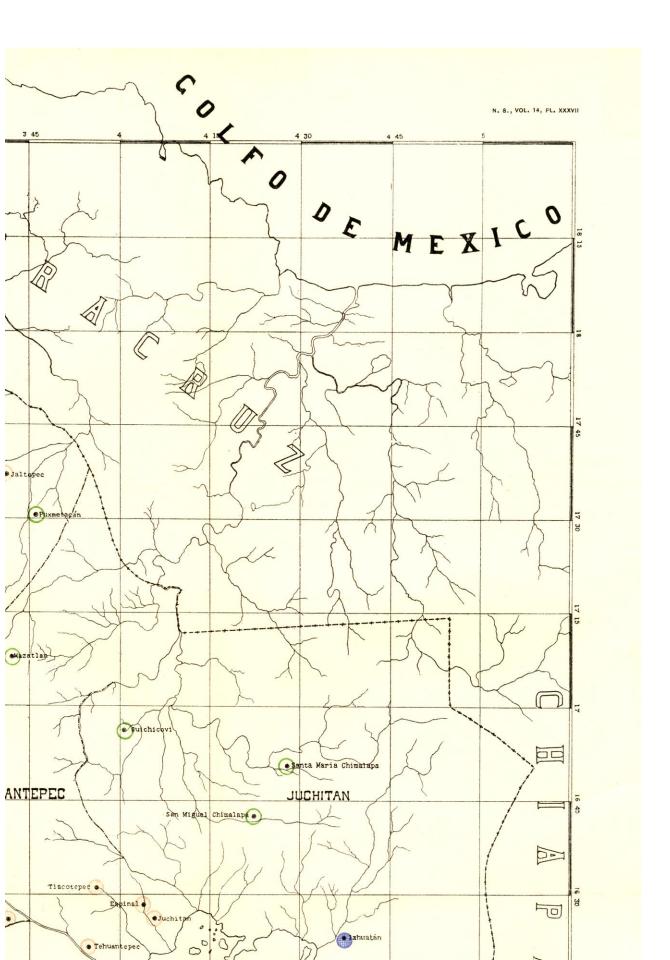
Swanton and Thomas's map is much better, as it includes several additional stocks and subdivides each stock that consists of more than one language. It is also better than Orozco y Berra's map in respect to the location of Trique.

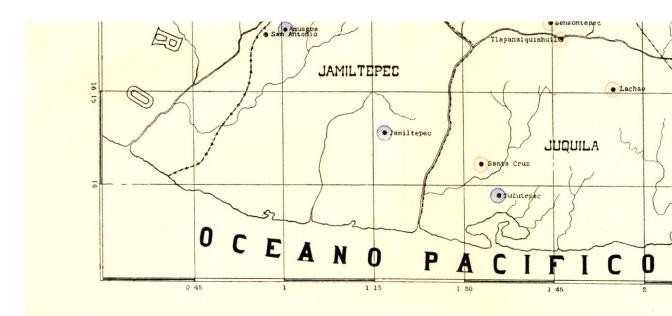
There is also a manuscript map, in possession of the Peabody Museum of Harvard University, which bears the title "Linguistic Stocks of the Indians of Mexico and Central America, by F. H. Gerodette, for the World's Columbian Exposition." It is based chiefly on Brinton and lacks many of the details given by Thomas and Swanton.

By far the best map of the languages of Oaxaca is one made by Sr Francisco Belmar for the International Congress of Americanists which met at New York in 1902. It is almost as correct as one could make it by coloring with solid blocks. All the languages are in their proper places and the outlines agree fairly well with those









GROUPS



ZAPOTECA

-ZAPOTECO

1 SOLTECO

2 CHATINO



MIXTECA

-MIXTECO

1 CUICATECO

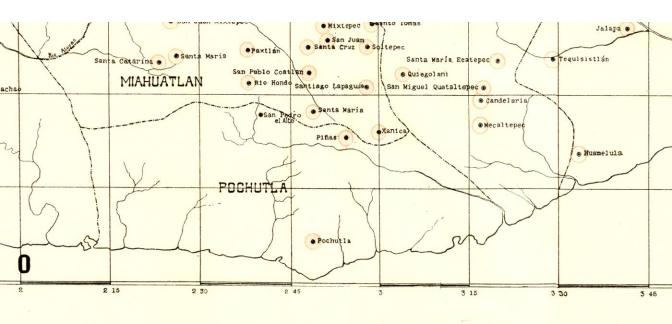
2 AMUSGO



CH

1 PO

4 TRI



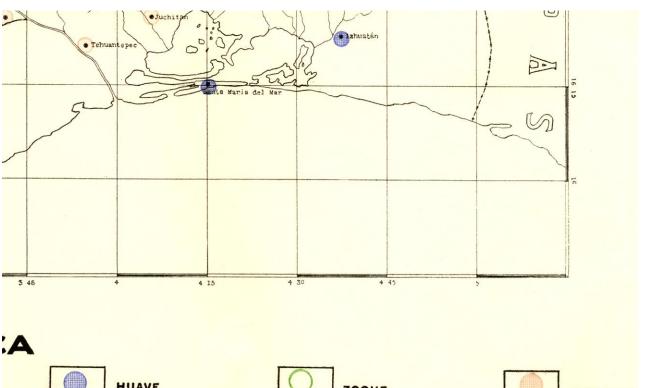
LINGUISTIC FAMILIES OF OAXACA



4 TRIQUE













O3 lxc.

San Jerónimo Otla OCho.

Yanhuitlán Ó San Pedrs ix. Mix.

Ol Pop., Cho.

San Vicente Nuñú

Santo Domingo O Magdalena Yodocor

San Juan Achiutla OSantiago Tilantor Mix.

OSan Pedro el Alto Zāp. 04 Trique

OChalcatongo Zap.

2 Chat.(

OYolotepec de la Paz Zap.

San Pablo Huixtepec

1 Sol.C San Miguel Sola

O2 Chat. O2 Chat.

∽SanJuan Quiahije O2 Chat.

Tepenixtlahuaca

O2Am.

O² Maz. 2 Maz. 03 lxc., 2 Maz. 1 CuiaO Ol Cuic. Ol Cuic. Pedro Cántaros docono, Mix. alena Jaltepec antongo Mixistlán OMixe. Mixe. **OCacalotepec** OTeotitlán del Valle OSan Miguel Quetzaltepec Mixe. Zap. Zap. OGuelavia Zap O Santo Tomás Jalieza Zap O San Miguel Tilquiapán ecO Zap. OSanta Lucia Ocotlán OAyoquasco

Quiechapa

Chichihualtepec

Zap.
OSanta Maria

OZap

Zap.

iola()

ije

I Sol.

epec

Ol Zoq.

Ol Zoq.

OUnión Hidalgo Zap. OSan Dionisio Hua. OSan Mateo Hua.

ے Unat. Tepen	رے کا العدد ixtlahuaca

LIN

To be bou

Zap. OZap.
San Juan Loxicha

OHuatule Zap.

LINGUISTIC FAMILIES OF OAXACA

pe bound in so as to cover the map (Plate XXXVII) in Volume 14, pages 644-645

Osan Mateo Hua.

INDIAN LANGUAGES OF OAXACA

SINCE the map showing the distribution of dialects in Oaxaca, published in Volume XIV, No. 4, of the American Anthropologist, was printed, a new map of the State of Oaxaca has been published, by means of which it has been possible to locate a number of villages in which Dr Peñafiel collected vocabularies. These have been entered on the thin fly-leaf accompanying the present number. The only villages that have not been located, and for which vocabularies were collected by Dr Peñafiel, are the following:

District of Coixtlahuaca. Village: Santo Domingo Tepene. (*Popoloco*) District of Teposcolula. Village: Santo Domingo Tlatayapan. (*Mixteco*)

It is possible that this place may be the Santo Domingo entered on the map near the boundary of Nochixtlan.

District of Tlacolula. Village: Santa María Albarradas. (Zapotec)

There are several villages named Albarradas, but it is not certain which one is meant.

District of Yautepec. Village: Santo Domingo Chontecomatlan. (Chontal)

On the map Santa Cruz near 1° 30' longitude, 16° north latitude, and San Miguel Quetaltepec near 3° 15' longitude and 16° 15' latitude, should be canceled.

On the accompanying oversheet the dialects of the various linguistic stocks are also marked.

In the list of Zapotecan towns, on page 654, San Baltasar Chicicapan should be San Baltasar Chichicapan, Jalapae del Estado should be changed to Jalapa del Estado, and Tenetze to Tanetze.

In the list of Mixtecan towns at the bottom of page 655, change Huajotitlan to Haujolotitlan, and on page 656 change Tutupec to Tututepec, and San Vincent Nuñu to San Vicente Nuñu.

In the list of Mazatacan towns on page 666, Huchuetlan should read Huchuetlan.

In the list of Mixe towns on page 675, Puxmeteca should be Puxmetecán.

In the list of Zapotecan towns given on page 679, in the District of Villa Alta, change Tabag to Tabaa. On the same page, under Solteco,

should be Distrito de Villa Alvarez, (Zimatlán)—and not Distrito de Villa-Alvarez (Zimatlan).

In the list of Mixtecan towns on page 680, in the Distrito de Nochixtlan, Tecomatlan San Miguel is one town, not two. On the same page, under Mazatecan, should be Distrito de Teotitlan, not Teototlan; and San Lorenzo Cuaunelcuiltitla is the name of one town, not two.

In the list of Mixe towns, Puxmetacan should be Puxmetecán.

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we obtained by marking every village from which Dr Peñafiel procured a vocabulary. The only omission noted is that of the Mexican spoken in Pochutla. Belmar marks the other two places where this language is spoken.

In making the present map the writer has not employed solid blocks of coloring, as this method inevitably results in error, but each village has been colored according to the language therein spoken. The result is interesting, for it shows quite clearly that there are many areas that can not be said to belong to any continuous linguistic district, since villages in which various languages are spoken are scattered through them. It would be erroneous, for example, to color the area around Tuxtepec as Mexican, as Sr Belmar does, for only Tuxtepec is Mexican, while the surrounding villages are Chinantec and in all probability have been for at least several centuries, as we know by documents written soon after the conquest. It would also be incorrect to color any extensive area around Pochutla as Mexican—this immediate area Sr Belmar has not colored at all. This intersprinkling of villages is shown quite as clearly in the case of some of the languages other than Mexican, as can be seen by examining the map; and there will undoubtedly be more instances of it when additional work has been done.

CLASSIFICATIONS OF OAXACA STOCKS

Great confusion exists concerning the linguistic stocks of Oaxaca. There are as many variations as there are authors who have treated the subject.

OROZCO V BERRA'S CLASSIFICATION

Orozco y Berra, our best authority on the distribution of the languages of Mexico, classifies the stocks of Oaxaca as follows:

- I. Familia Mexicana, Mexicano,
- II. Familia Huaxteca-Maya-Quiché.
 - I. Chontal.
- III. Familia Mixteca-Zapoteca.
 - I. Mixteco.
 - 2. Chocho.
 - 3. Amusgo.
 - 4. Zapoteco.
 - 5. Cuicateco.

He was unable to classify Zoque, Huave, Mixe, Trique, Chinanteco, Mazateco, Chatino, Papabuco, and Solteco, and no lexical or morphological proofs are presented to support his classification of languages into the above-named families. Quotations giving the opinions of others are his only evidences.

PIMENTEL'S CLASSIFICATION

In the second edition of his Cuadro Descriptivo y Comparativo de las Lenguas de México (Mexico, 1874), Pimentel gives the following division of the families of Mexico:

- I. Familia Mixteco-Zapoteco.
 - I. Mixteco.
 - 2. Zapoteco.
 - 3. Chuchon.
 - 4. Popoloco.
 - 5. Cuicateco.
 - 6. Chatino.
 - 7. Papabuco.
 - 8. Amusgo.
 - 9. Mazateco.

and, as doubtful members, Solteco and Chinanteco.

- II. Familia Zoque-Mixe.
 - 1. Mixe.
 - 2. Zoque.

This second family he calls a mixed family, and states that it has some Mexican and some Zapotecan roots. He also says that the grammar is mixed.

- III. Familia Chontal.
 - I. Chontal.
- IV. Idiomas oriundos de Nicaragua.
 - I. Huave.
 - V. Familia Mexicana.
 - t. Mexicano.

LEÓN'S CLASSIFICATION

In 1902 Dr León published his Familias Lingüísticas de México, in which he groups the languages of Oaxaca into the following families:

- 1. Familia Nahuatlana.
 - Chontal de Oaxaca.
- 2. Familia Zoque-Mixeana.
 - I. Zoque.
 - Mixe.
- 3. Familia Mixteco-Tzapotecana.
 - T. Mixteco.

Dialects nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11. Tepuzculano, Amusgo, Mixteco bajo, Mixteco montañés, Chocho ó Popoloco, Trique, Cuicateco, Mazateco é Izcateco.

2. Tzapoteco: Nexicho, Serrano del Valle, Miahuateco, Benixono ó Vijano, Tehuantepecano, Chatino, Solteco, Chinanteco, Papabuco ó Elotepeco.

On the authority of Belmar, León includes Triki and Chocho in the Mixteco-Tzapotecana family. Respecting Chinantecan, he says: "La lengua Chinanteca de Oaxaca debe incluirse en la familia Mixteco-Tzapotecana, v no formala por sí, como pretende Brinton."² However, since León does not present proofs of his statement, we must still follow Brinton's classification.

BRINTON'S CLASSIFICATION

In The American Race (Philadelphia, 1901), Brinton classifies the stocks of Mexico, including those of Oaxaca. His classification follows:

I. Uto Aztecan.

Nahuatlan.

2. Zapotec-Mixtec.

Amusgos.

Chatinos.

Chuchonas.

Cuicatecos.

Mazatecos.

Mixtecos.

Papabucos.

Soltecos.

Zapotecos.

Chimalapas.

Mixes.

Tapijulapanes.

Zoques.

- 4. Chinantec.
- 5. Tequistlatecan.
- 6. Huave.

^{3.} Zoque.

¹ Ensayo sobre la Lengua Triki, Oaxaca, 1897. El Chocho, Oaxaca, 1899.

² Brinton, Observations on the Chinatec Language of Mexico, 1892.

In a later work Brinton classifies Mazatec with Chapanec; this would make a seventh stock.

BELMAR'S CLASSIFICATION

Belmar classifies the languages of Oaxaca in his Familia Mixteco-Zapoteca y sus Relaciones con el Otomi—Familia Zoque-Mixe-Chontal-Huave y Mexicano (Mexico, 1905). In chapter 13 he gives a list of words to prove the common origin of Zapoteca, Chatina, Papabuco, Chinanteco, Mixteca, Amusgo, Mazateca, Cuicateco, Chucho, Popoloco, Trique, and Otomí. These words show very little resemblance, and from the evidence presented it does not seem probable that they have a common origin. Indeed Belmar acknowledges that in many cases there is but slight resemblance, and he relies chiefly on remote morphological similarities to establish the relationships. His second family is Maya-Huave and his third is Chontal-Mexican.

THOMAS AND SWANTON'S CLASSIFICATION

The last work on the subject is *Indian Languages of Mexico and Central America*, by Thomas and Swanton.¹ Only nine pages are devoted to the languages of Oaxaca. They are there classified into the following families:

- I. Zapotecan.
 - 1. Mixteco.
 - 2. Chocho.
 - 3. Amusgo.
 - 4. Chatino.
 - 5. Trike.
 - 6. Mazateco.
 - 7. Cuicateco.
 - 8. Zapoteco.

- 2. Chinantecan.
 - 1. Chinanteco.
- 3. Zoquean.
 - I. Mixe.
 - 2. Zoque.
- 4. Tequistlan.
 - 1. Chontal.
- 5. Huavean.
 - 1. Huave.

Although in this classification the authors include Zapotec and Mixtec as members of the same family, they devote two pages later in the book to proofs that they should be regarded as distinct.

¹ Bulletin 44, Bureau of American Ethnology, 1911.

Even though the material at their disposal was not sufficient to prove that the two languages mentioned belong to different families, a very good case is presented and the burden of proof lies with those who claim that they are one. In view of this it appears advisable to keep for the present the old Mixteco-Zapotec stock divided into two separate groups.

THE PRESENT CLASSIFICATION

Intensive studies of the morphology and vocabularies of all of the languages of Oaxaca are necessary before we can know definitely how many stocks there really are and the members of each. Owing to lack of knowledge of the morphology of all of these languages, with the exception of Zapotec, any attempt to classify them on a morphological basis is impossible.

When this study was commenced it was the author's intention to prepare a map showing the distribution of the languages, indicating, where possible, such dialectic differences as were shown by the vocabularies. It was found, however, that in most cases the vocabularies were not recorded with sufficient accuracy to enable the determination of these differences, having been made by individuals without previous experience in work of this kind. They of course used only the letters common to Mexican Spanish, consequently in the following pages, where vocabularies are quoted, it should be borne in mind that ll and y represent the same sound, namely, a voiced continuant practically equivalent to English y. Gu and bu usually represent w, though they may represent gw and bw. B and v both represent a bilabial voiced spirant. In every case it is doubtful what x represents, for it is employed in Mexico to indicate jota (a middle voiceless spirant), English sh, and English x, and even in some cases s. Z and s represent the same sound, a voiceless sibilant, as does also c before e and i. When this work was commenced the author was unable to obtain most of the works which treat of the languages of Oaxaca, and those that were procurable were written by men who had seen few vocabularies besides Zapotec and Mixtec. It therefore was deemed advisable to make comparisons of all the languages and to divide them into families

on the basis of the resemblances shown in Peñafiel's vocabularies. After this division had been made, all the available literature was examined, but it was not until the author had returned to the United States that it was possible to consult many of the books bearing on the subject. It is gratifying to be able to say that in almost every case the writer has been able to find authoritative support of his classification. But being unable to get the necessary books while in Mexico, access to the vocabularies could not be had when the literature was available. If it had been possible to consult both at the same time, the work would have been greatly facilitated. The following classification is entirely the result of a study of Dr Peñafiel's vocabularies. It does not claim by any means to present the final classification of languages; rather the principle has been followed to keep apart whatever cannot be proved definitely by accessible material to belong together.

- I. ZAPOTEC.
 - I. Zapotec.
 - 2. Solteco.
 - 3. Chatino.
- II. MIXTEC.
 - I. Mixteco.
 - 2. Cuicateco.
 - 3. Amusgo (?).
- III. MAZATEC.
 - I. Chocho-Popoloco.
 - 2. Mazateco-Ixcateco.
 - 3. Trique.

- IV. CHINANTEC.
 - 1. Chinanteco.
 - V. CHONTAL.
 - T. Chontal.
- VI. HUAVE.
 - ı. Huave.
- VII. ZOOUE.
 - I. Zoque.
 - 2. Mixe.
- VIII. MEXICAN.

I. ZAPOTEC STOCK (Familia Zapoteca)

To the Zapotec stock belong Zapotec, Solteco, and Chatino. Pimentel, relying chiefly on morphological resemblances, such as the lack of plural in nouns in both languages, classes Zapotec and Mixtec in the same family. Orozco y Berra, Brinton, León, and Belmar follow his example. In regard to their lexical affinities Pimentel says: "Although Zapotec and Mixtec show close morphological resemblances, still the greater part of their vocabularies are different." He then gives a list of words which he considers alike,

but even these show little resemblance. Brinton considers them as belonging to the same stock. Neither León nor Orozco y Berra gives any proofs. In chapter 12 of his Lenguas Indígenas de México Belmar gives a list of words designed to prove the relations of the members of what he considers the Mixteco-Zapotecan stock. From this list he omits all the members of what is herein considered the Zapotecan stock. Müller objected to the classification of Zapotec and Mixtec in the same family, and Thomas and Swanton seem to prove that they belong to different stocks. Since the evidence presented by those who consider them as belonging to the same stock is clearly insufficient, it is best to consider them separate stocks.

To prove the relationship of Solteco, Chatino, and Zapotec, the following brief vocabulary is presented:

	ZAPOTEC	Solteco	Chatino
one	tub	tico	cati
two	chopo	toco	tucua
three	chone	chona	xona
four	tap	taco	tacua
five	gayel	gayo	cayu
six	sopel	xoco	sucua
seven	galle	gache	cati
eight	sone	xoin	suno
nine	gaa	guaa	ca
ten	chi	chii	tii
eleven	chivitubi	chetoco	tiichica
twelve	chivicho pa	chima	titucua
twenty	galda	chidia	cala
thirty	galdavichi	chimaltico	calati
forty	chua		tuhua
fifty	chuavichi		tanailati, tohuati
seventy	gayiona viche		xonailatu, chuna yalati
eighty	taa		acuailae, gaynyala
ninety	taa viche		acnailati
I	na	naa	naa
thou	sui	noo	nooe
me	saelle	lecui	уисиа
we	sarena	namo	naae

¹ See also the notes on Chatino, by Dr Franz Boas, to appear in the next number of this journal.

you	guesana		siignova
they	sebau	lecui	uncua
that one	noudee		yundee
to eat	gabo	ga cuiyati	gae u
to drink	gobo	gay	cooc
to run	guesombo	cuicamer	satucua
to dance	guellena	uyacam	gulaguillaae
to sing	golna	golroy	gutatoana
rain	xsoleguche	saguie	choo
fire	gu	guii	luii
water	nira	lira	yta
land	guig	y00	yun
sea	nisdoe	rosra	tajoo
river	gueuc	yeco	luiela
lake	chaico	divo	
plain	tuviyan	nache	naete
mountain		yayaca	luieaa
island	guchi	yeco	

I. ZAPOTEC

Zapotec is spoken in a large area in the central and southeastern portion of Oaxaca; in fact in almost one-half of the state. There are undoubtedly many dialects, but, as has been already stated, it was not possible to determine them from the material at hand. Orozco y Berra mentions the following: Zapoteco Principal, Zapoteco Nexitza, Zapoteco Serrano de Ixtepeji, Zapoteco Serrano de Cajones, Zapoteco Serrano de Miahuatlan, Zapoteco Tehuantepecano.

Dr Frederick Starr¹ has this to say about the distribution of Zapoteco:

The Zapotecs held an extensive area to the east and west of the old Mixtec territory. They were a powerful tribe and were frequently at war not only with the Mixtecs but also with the Aztecs. At the time of the Conquest they had been suffering more or less degradation at the hands of these powerful foes. Their territory extended from Oaxaca to Tehuantepec and Xoconocho. Garcia y Cubas gave the total Zapotec population in 1876 as 239,600. It must now be considerably greater.

His statement "to the east and west of the old Mixtec territory" is rather ambiguous, especially since he says that "the Mixtec

¹ Notes upon the Ethnography of Southern Mexico, p. 145.

territory extends eastward from the Pacific coast into the high mountainous country of the interior." His statement that "their territory extended from Oaxaca to Tehuantepec and Xoconocho," however, agrees very well with the area on our map, except that we found scattered Zapotec villages all the way to the border of Guerrero. The area which Orozco y Berra demarcated on his map agrees very well with our area.

Belmar dealt with the distribution thus:

Los zapoteca habitan en el Estado de Oaxaca. Su principal asiento fueron y son actualmente los fértiles valles, que partiendo de la ciudad de antequera se extienden por algunas millas al norte, al sur y al oriente. Las poblaciones de Mitla, Tlacolula, Teotitlán, Tlacochahuaya y Zaachila son centros principales en donde floreció este raza, cuya lengua se consideró como la más culta de los pueblos que la forman. Ocupa también el Istmo de Tehuantepec, distinguiéndose hoy día del resto de las demás razas por sus costumbres especiales y por sus tendencias progresistas. Su idioma, conocido con el nombre de Tehuano, Tehuantepecano, zapoteco de Tehuantepec, ó zapoteco de tierra caliente, es solo un dialecto, en la actualidad en decadencia. En la región montañosa del Norte, confinando con los chinanteca, mazateca y ayook (mixes) se extienden los zapoteca, cuya lengua comprende el zapoteca nexitza, ó zapoteco de los pueblos Rincon, el zapoteco de los pueblos de Cajones, conocido con el nombre de Vijano, y el zapoteco serrano de los pueblos que forman la Sierra Juárez del Distrito de Ixtlán, y hablado con mas pureza en Guelatao, Ixtlán, Ixtepeji, Nexicho, Teococuilco, Analco y Capulalpan. En el serranía del Sur se extiende aun este raza hablando el dialecto Miahuateco. Al Sur existe el pueblo de Sola, cuyo nombre dió orígen á la denominación de Solteco. En la región Suroeste viven los pueblos de Elotepec y otros de lengua zapoteca, conocida con el nombre de Elotepeco ó Papabuco.

We have vocabularies from the following places:

Distrito del Centro:

San Bartolo Coyotepec.

Distrito de Choapin:

Yahuive and Jaltepec.

Distrito de Ejutla:

Santa María Chichihualtepec.

Coateces Altas.

San Vincente Coatlan.

San Martin Lachila.

Santa Cruz Nixila (?)

San Andreas Sebache.

Distrito de Jamiltepec:

San Antonio Ocatlan.

Distrito de Juchitan:

Juchitan.

Espinal.

Union Hidalgo.

Distrito de Miahuatlan:

San Mateo Rio Hondo.

San Juan Mixtepec.

san Jaan mintepee.

San Agustin Mixtepec.

San Luis Amatlán.

San Pablo Coatlán. Santa María Coatlán. San Andreas Paxtlán. Santiago Papaguia. Santiago Xanica. Santa María Ozoltepec. San Juan Ozoltepec.

San Tomás Tamazulapan. Santa Caterina Cuixla.

Santa Cruz Ozoltepec.

Distrito de Ocatlan:

Ocatlan de Morelos. Santiago Apostol.

Santa Ana **Z**egache. Ocatlan Magdalena.

San Baltasar Chicicapan.

San Pedro Apostol. Santa Lucía Ocatlan. San Miguel Tilquiapan.

Santa Tomás Jalieza.

San Martín Tilcajete. Distrito de Pochutla:

Piñas San Mateo. San Juan Loxicha.

Distrito de Tehuantepec:

Tehuantepec. Tlacotepec.

Jalapae del Estado.

Distrito de Tlacolula:

Tlacolula de Matemoros.

Villa de Mitla. San Pablo Mitla. Tlacochuaya.

Tlacochuaya. San Juan Teitipec. San Dionisio Ocotepec.

San Pedro Quiatoni. Teotitlan del Valle.

San Juan Guelavía.

San Lucas Quiavini. Santiago Matatlan.

Santa María Albarradas.

Distrito de Tlaxiaco:

San Pedro El Alto. Yolotepec de la Paz

Chalcatongo. San Iuan.

Distrito de Villa Alta:

Beltaza.
Tenetze.
Talea.
Lachiroag.
Tabaa.

San Francisco Cajonos.

Zoochila. Xagalaxi.

Yazona.

Lachixila Vijanos.

Distrito de Zimatlán:

Zimatlán.

Santa María Zachila.

Huixtepec.

Santa Cruz Mixtepec.

Ayoquezco.

Distrito de Yautepec:

San Bartolo Yautepec.

Santa María Asunción Quiegolani.

Quichapa.

2. SOLTECO

Solteco is represented by one vocabulary from San Miguel Sola in the district of Zimatlán. Concerning this language Orozco y Berra says:

Tambien entre los chatinos, y particular del pueblo de Sola. No conocemos su filiacion etnográfica, y nos figuramos que pertenecerá, así como el papabuco, á tribus antiguas que se están extinguiendo.

Pimentel has nothing further to offer, but speaking of Mazateco and Solteco he says:

Las noticias que sobre ellas he recibido me hacen creer que pertenecen á la familia Mixteco-Zapoteco.

Thomas and Swanton make no mention of the language.

3. CHATINO

Of the third language of the Zapotecan stock, Chatino, Peñafiel has vocabularies from the following places of the District of Juquila:

San Juan Quiahije.

Santa María Tlapanalquiahuitl.

Santa Cruz Tepenixtlahuaca.

San Juan Lachao.

Zensontepec.

Orozco y Berra says:

En los Departamentos del Centro y de Jamiltepec, entre el zapoteco y el mixteco. No hemos encontrado datos para clasificarla.

In the list of places where it is spoken he gives San Miguel Sola, the only place from which we have a Soltecan vocabulary.

Pimentel says:

Respecto al Chatino y al Papabuco tengo un buen dato para considerarlos afines del Mixteco, y es la noticia que sobre esto me ha dado una persona ilustrada y de buen criterio que visitó el Estado de Oaxaca, haciendo observaciones sobre los idiomas y las costumbres de sus habitantes.

II. MIXTEC STOCK (Familia Mixteca)

The two languages Mixteco and Cuicateco undoubtedly belong to this stock. The former occupies a large area in the western part of Oaxaca and the adjoining neighborhood in Guerrero.

I. MIXTECO

Dr Peñafiel's vocabularies come from the following places:

District of Huajapan: Huajotitlan. Santiago Chazumba. San Martin Zacatepec.

Miltepec Santiago.

Tequistepec.

Juxtlahuaca.

District of Jamiltenec: Magdalena Jaltepec. Jamiltepec. Apoalo Santiago.

District of Juquila: Teozacoalco San Pedro. Tutupec. San Pedro Cantaros. District of Juxtlahuaca: Tecomatlan San Miguel.

District of Silacayoapan: San Juan Mixtepec. Calibuacla. Tecomaxtlahuaca. San Pedro.

San Juan Lagunas. San Miguel Ahuehuetitlan. Santiago Coycoyan. Tlapacingo San Francisco.

Santa Caterina Noltepec. District of Teotitlan: District of Nochixtlan: San Juan Coatzopan. Nochixtlan. District of Teposcolula: Yanhuitlan. San Vincent Nuñu.

Santo Domingo. San Pedro Martin Vocunana.

Yodocono Magdalena. Tlatayapan.

Tilantongo Santiago. Santa María Tiltetepec.

The Mixteco language does not cover a continuous area; the people speaking it are scattered among the villages of the Mazatecan, Zapotecan, and Chinantecan stocks. The area represented by our vocabularies is practically the same as that given by Orozco y Berra—in fact virtually all the towns are given in his list. scribing the area occupied by the Mixtecs, Dr Starr observes:

The country occupied by the Mixtecs extends eastward from the Pacific Coast into the high mountain country of the interior. Their territory lies within the States of Guerrero, Puebla, and Oaxaca, but chiefly in the last. It is commonly divided into two districts—the Mixteca Alta, or high Mixteca, and the Mixteca Baja, or low Mixteca. In 1876 Garcia y Cubas set the number of Mixtecs at 220,000. The present population must be considerably greater.

Belmar marks an area on his map which corresponds roughly to the one given by Starr. It is only approximately correct, for Peñafiel has vocabularies from the places which Belmar has marked Chatino, Chocho, and Mazateco. The description which he gives of their area in Lenguas Indigenas de México is a good one. It is as follows:

Al lado de los zapoteca y en la región occidental del Estado de Oaxaca se encuentran los mixteca, que se extienden desde el Estado de Puebla hasta el de Guerrero. . . . En el Estado de Oaxaca, su centro principal, se introdujo esta tribu, en los tiempos pasados, en el valle, bajando de las altas montañas de su

recidencia primitiva para estar casi envuelta por los zapoteca y establecer los pueblos de Xoxo, Cuilapan, Ixtlahuaca y Tepenixtlahuaca. En los distritos de Zimatlán, Juquila y Jamiltepec confina con los zapoteca y chatinos, y en los distritos que forman propiamente la mixteca confinan con los *triques*, chochos, popolocos de Puebla, amuzgos, cuicateca, chinanteca, mazateca y mexica.

2. CUICATECO

Cuicateco, the other member of this family, is spoken in the District of Cuicatlan. Dr Peñafiel's vocabularies come from

Cuicatlan. San Francisco Chapulapa.

Concepción Pápulo.

Orozco y Berra gives all of these villages. Belmar gives the following list of pueblos where the language is spoken:

Distrito de Cuicatlan:

Quiotepec. Teponaxtla.
Coyula. Tlacolula.
Jonaltepec. Tepeusila.
Cotahuisla. Tutepetongo.
Nacatepec. Teutila.

Pápalo San Lorenzo. Santa Cruz Chiquihuitlán.

Pápalo Santa María. Teotilalpam.

Pápalo Reyes. Santo Domingo del Río.

Pápalo San Andrés. Chapulalpa. Cuyaltepec. Tlalistac.

Distrito de Nochixtlan:

Sotula. Comotlán Santiago.
San Bartolo. Yololtepec Santa María.
Tlalixtlahuaca San Juan. Ixtlahuaca Santiago.
Tlaxila Santa Caterina. Montebolos San Agustin.

Concerning Cuicatlan, from which Peñafiel secured a vocabulary in 1886, Belmar says:

Cuicatlán, cabecera del Distrito de su nombre, preteneció á esta tribu: en la actualidad sólo se habla el idioma castellano.

From this we may infer that Cuicateco passed out of use in Cuicatlan between 1886 and 1902.

All the authors put it in the Mixteco-Zapoteco family, but its exact position has been a matter of doubt. Belmar, however, placed it correctly in 1902. He says:

AM. ANTH., N. S., 14-43

Examinandos tanto la estructura de la lengua como su diccionario, se descubre su inmediata relación con el mixteco, como lo demostraré al tratar de este último idioma.

The relationship between Cuicateco and Mixteco can be seen from a consideration of the following brief list of words:

	Міхтесо	Cuicateco
uno	yi	ama
dos	yvi	obe
tres	umi	igno
cuatro	cumi	cun
cinco	uu	tun
seis	yno	joo
siete	uxa	ducha
ocho	una	nine
nueve	y	nuu
diez	uxi	dichi
once	uxii	dichi ama
doce		dichi ubi
veinte	0 r 0	duco
yo	yu	u
tu	yoo	$di \ du$
el el	mera	gicoa enaga
nosotros	m eyoo	nuu
vosotros	tainga n a	nonon
ellos	mecna	mosaa
este	tayo	chuu
viento	tachicano	yinie
truena	dayidav i	inidavi
relámpago	xincluta	cuae
nieve	yihua	llaan
fuego	ñuu	llaha
agua	tuin	nune
hielo	yihua	hive
tierra	ñuu	taha
mar	tanaa	mimllauu
rio	yuta	gueo
valle	yodocano	yudu chaetl
llano	llodoc	lludu
cerro	уиси	gicuq uian
piedro	yuu	yuhu
lluvia	cuachidavi	cubi

3. Amusgo

Dr Peñafiel has only one Amusgo vocabulary, which is difficult to read and seems to have been carelessly recorded. It has not been possible to determine its affiliation from this vocabulary, although some of the words show similarity to Mixtec. For the sake of convenience, I have marked it on my map as belonging to the Mixtec language. It is usually classed as a member of the Mixtec-Zapotec family. Orozco y Berra calls it a sister language of Mixtec. His words are:

Lengua hermana del mixteco. Con el nombre de amuchco la encontramos nombrada en los manuscritos del Sr. García, y con el de amusgo en la relacion de los curatos de Oaxaca: ambas palabras son sinónimas.

Pimentel is plainly in error when he says:

Los informes adquiridos por, el Sr. Orozco y Berra (Geografía de las Lenguas de México) que juzgo de buen orígen le hicieron colocar, como yo tambien lo hago, al Cuicateo con el mixteco, y al Amusgo con el Zapoteco.

The most complete study of Amusgo was made by Sr Belmar, who, in 1901, published his *Investigación sobre el Idioma Amuzgo*. In this work he says concerning its affiliation:

El Amuzgo es una de las lenguas aglutinantes más fáciles de estudiar y pertenece á las lenguas que forman la familia mixteco-zapoteca. Es digno de observar, sin embargo, que en el fondo se acerca más á la lengua zapoteca, y en su parte léxica al mixteco. Así el Amuzgo reconoce cuatro conjugaciones, esto es, cuatro grupos de verbos determinados en el pasado por los prefijos ta, te, ti, to ó tu, y el zapoteco reconoce igualmente los prefijos ta, te, ti, to, to ó ra, re, ri, ro, para el presente de indicativo.

Por lo demás la gramática del Amuzgo y su diccionario se corresponden manifestando su afinidad sin esfuerzo alguno con el mixteco, por lo que omito hacer en el presente estudio comparaciones que me reservo al publicar el examen de la lengua mixteca.

Whether Sr Belmar has published the above-mentioned work on Mixtec the writer is unable to say, though it is supposed that he has not, for no such work has been found in either Mexico or the United States. Indeed it was not possible to obtain any of Belmar's grammars in Mexico.

Dr Peñafiel's vocabularies of Amusgo are from the pueblo of San Pedro Amuzgos in the District of Jamiltepec. Sr Belmar's description of the distribution of the Amusgo villages is undoubtedly correct. It is as follows:

Los pueblos que en el Estado de Oaxaca forman la nacíon ó raza Amuzga se reducen á los de San Pedro Amuzgos, San Francisco Sayultepee [sic], Cacahuastepec y Santa María Ipalapa, pertenecientes al Distrito de Jamiltepec. Los demás pueblos se hallan en el Estado de Guerrero.

Orozco y Berra makes no mention of Amusgo in the state of Oaxaca. It is interesting to note that Belmar states that it has a pitch accent of etymological significance, thus adding one more language to the list of American languages with pitch accents, a characteristic which a few years ago was not supposed to exist in North America. The languages in Mexico using it are, Chatino, Chinanteco, Otomí, and Amusgo. The entire vocabulary from San Pedro Amusgos follows:

Vocabulary from San Pedro Amusgos

Dios	Tiocpsun	Mi hermano mayor	Siosaatiguche
Sacerdote	Tec	Mi hermano menor	Tajaalluchoa
Templo	Huaschua	Mi hermana mayor	Saasatigue
Hombre	Sansaha	Mi hermana menor	Tu jo
Mujer	Zancutin	Indio	Sanguie
Muchacho	Yuchoo	Gente	Zaha
Muchacha	Yuscuchoo	Cabeza	Sichyinen
Niño ó niña	Yusaadaa	Pelo	Sochquen
Mi padre, dice el		Cara	Noho
hijo	Tu	Frente	Sohosta
Mi padre, dice la		Oreja	Sonquihe
hija	Dahaa	Ojo	Tauno
Mi madre, dice el		Boca	Doo
hijo.	Naa Doho	Lengua	Saha
Mi madre, dice la		Dientes	Sinuhoo
hija	Naa Doho	Barba	Sochisuaa
Mi marido	Zahaa	Cuello	Sostoo
Mi esposa	Zascuaa	Brazo	Nacajunscuaa
Mi hijo, dice el		Mano	Nayimdoo
padre	Daa Yoscuaa	Dedo pulgar	Yuetih ii ina t
Mi hijo, dice la		Uñas	Soneti
madre	Daa Yoscuaa	Cuerpo	Situhu
Mi hija dice el		Pecho	Sindaa
padre	Da Yscu	Barriga	Sihaa
Mi hija dice la		Pechos de mujer	Sicuhui
madre	Ni lluja jaachijoo	Pierna	Tecuhi

Dedos del pié Hueso Singuie Isla Hueso Singuie Isla Huachaniuduaa Corazon Sohoa Piedra, roca Sojoh Sangre Niunt Sal Sachajat Pueblo, villa, aldea Jefe Sumachia Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Casa Huachioo Arbol Huichulomat Choza, casa de paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Salep Matz Naá Canoa Guarache cacle ó zapato Pipa Yusha Linnutaa Tabaco Susconu Murcielago Lucundue Perro Luechee Sol Yocunpat Coryote Luuchendu Luna Chip Estrella Nohuu Oso Luickansaa Dia Naschuhee Nafana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonduch Primavera Dacachi Verno Simarchuhe Tortuga Luesh Verno Simarchuhe Conejo Tiungu Chile, pimiento Lucundue Perro Luechee Luichiatuy Noche Nachunju Zorra Tiundu Lueschaa Tarde Matuma Ciervo Sonducho Primavera Dacacchi Jabalí Luechucundea Verano Ditaenpuchujin Viento Simanchuhe Copota Calelo Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relampago Dicodunduit Louera Luesh Cheic Coulebra de casca Rio Sujop bel Luchundoo Luculebra Luchundoo Luculebra Culebra de casca Rio Sujop bel Luttu	Pié	Chiaguuhi	Llano	Luctulla
Corazon Sohoa Piedra, roca Sojoh Sangre Niunt Sal Sachajat Pueblo, villa, aldea Chu ju Cobre Cojohugue Jefe Sumachia Plata Sup Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Bosque, selva Tomab Tomat Casa Huachioo Arbol Huichutomat Choza, casa de	Dedos del pié	Daaquie	Cerro, montana	Tuaa Lindaa
Sangre Niunt Sal Sachajat Pueblo, villa, aldea Jefe Sumachia Plata Sup Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Bosque, selva Tomab Tomat Casa Huachioo Arbol Huichulomat Choza, casa de paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maiz Naa Canoa Sondoo Frijol Dahe Guarache cacle o zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichasaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Dacachi Jabalí Luechio Invierno Ditagrundui Armadillo Luechio Invierno Ditagrundui Tortuga Lubi Lluvia Cobataa Lagartija Cuchucua Relâmpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucua Nesen Machun Mosca Sunp Mare Daadoe Culebra de casca- Rio Sujoy Alacran Luechojoo	Hueso	Singuie	Isla	Huachaniuduaa
Pueblo, villa, aldea Jefe Jefe Sumachia Jefe Sumachia Plata Sup Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Bosque, selva Tomab Tomat Huichutomat Choza, casa de paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Canoa Sondoo Frijol Guarache cacle ó zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sol Yocunpat Lucunudue Perro Luechee Sol Yocunpat Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee Nachunju Noche Nachunju Noche Nachunju Tarde Matuma Tarde Matuma Trueno Ditaenpuchujin Neito Simanchuhe Conejo Tiusu Trueno Siby Ardilla Tuipsu Relámpago Dicodunduit Tortuga Liueta Liuesho Fuego Maachun Mosca Sunp Luechuado Luechuada Luechucun Rosca Rojop Alacran Luechucun Luechucun Luechucun Lueled Luechucun Lue	Corazon	Sohoa	Piedra, roca	Sojoh
Pueblo, villa, aldea Chu ju Cobre Cojohugue Jefe Sumachia Plata Sup Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Bosque, selva Tomab Tomat Tomab Tomat Huichuomat Choza, casa de paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchumiasun Suchumiasun Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maíz Naá Satep Maíz Naá Canoa Sondoo Frijol Dahe Guarache cacle o Calabaza Siquen Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucundue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Trueno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Agua Daatio Mosquito Luetaa Luechucundea Luechu Luechaa Maru Daadoe Culebra, serpiente Luechuchoo Luechuan Luechucundar Luechucunda Luechucundar Luechucundar	Sangre	Niunt	Sal	•
Jefe Sumachia Plata Sup Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Bosque, selva Tomab Tomat Casa Huachioo Arbol Huichutomat Choza, casa de paja Madera Suchundiasun paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Matz Naá Canoa Sondoo Frijol Dahe Guarache cacle ó Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Lueche Sol Yocunpat Coyote Luechee Luna Chip Tigre Luichiayaa Estrella Nohuu Oso </td <td>•</td> <td>Chu ju</td> <td>Cobre</td> <td>•</td>	•	Chu ju	Cobre	•
Guerrero Saucuaju Oro Sunja Cuna Dudoschoo Bosque, selva Tomab Tomat Casa Huachioo Arbol Huichutomat Choza, casa de Madera Suchundiasun paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maíz Naá Canoa Sondoo Frijol Dahe Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechojun Cielo Lucunudue Perro Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaycundui Tortuga Luich Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Rélámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luechaa Mar Daadoe Culebra de casca- Rio Sujop Bel Luechojoo		Sumachia	Plata	Sup
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Casa de paja Huachioo Arbol Huichutomat Choza, casa de paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maíz Naá Canoa Sondoo Frijol Dahe Guarache cacle ó zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditagenduii Armadillo Luechio Invierno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lurisho Sunp Relámpago Dicodunduit Tortuga Lubi Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luechuchaa Unierra Sohot Culebra de casca-Rio Sujop bel Luechioo Luechojoo		•	Bosque, selva	•
paja Huangio Hoja Sucoo Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maíz Naú Canoa Sondoo Frijol Dahe Guarache cacle ó Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Rélámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechojoo	Casa	Huachioo	• '	Huichutomat
Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maíz Naú Canoa Sondoo Frijol Dahe Guarache cacle ó Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditagenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Kelámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop Bel Luechuoloo	Choza, casa de		Madera	Suchundiasun
Sepulcro Sinduit Corteza Suchuma Caldera Tuncutiusui Yerba Sondaa Arco Satep Maíz Naú Canoa Sondoo Frijol Dahe Guarache cacle ó Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditagenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Kelámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop Bel Luechuoloo		Huangio	Hoia	Sucoo
CalderaTuncutiusuiYerbaSondaaArcoSatepMaízNaáCanoaSondooFrijolDaheGuarache cacle 6CalabazaSiquenzapatoDucuuChile, pimientoSichaaPipaYusha LinnutaaCarneSipsonduTabacoSusconuMurcielagoLuechojunCieloLucunuduePerroLuecheeSolYocunpatCoyoteLuecheenduLunaChipTigreLuichiayaaEstrellaNohuuOsoLuichansaaDiaNaschuheeLeón, pumaLuichiatuyNocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuTientoSihyArdillaTuipsuKelampagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujoy <td< td=""><td></td><td>J</td><td>•</td><td>Suchuma</td></td<>		J	•	Suchuma
Canoa Sondoo Frijol Dahe Guarache cacle 6 Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Niohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Lueta Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechundoo Lago Sujoy Alacran Luechojoo	- ,	Tuncutiusui	Yerba	Sondaa
Canoa Sondoo Frijol Dahe Guarache cacle 6 Calabaza Siquen zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechundoo Lago Sujoy Alacran Luechojoo	Arco	Sateb	Maíz	Naá
Guarache cacle 6 zapato Ducuu Chile, pimiento Sichaa Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop Alacran Luechojoo	Canoa	•	Friiol	Dahe
zapatoDucuuChile, pimientoSichaaPipaYusha LinnutaaCarneSipsonduTabacoSusconuMurcielagoLuechojunCieloLucunuduePerroLuecheeSolYocunpatCoyoteLuechenduLunaChipTigreLuichiayaaEstrellaNohuuOsoLuichansaaDiaNaschuheeLeón, pumaLuichiatuyNocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuRélámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopAlacranLuechojoo	Guarache cacle ó		•	Siquen
Pipa Yusha Linnutaa Carne Sipsondu Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Rélámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechojoo	zapato	Ducuu	Chile, pimiento	-
Tabaco Susconu Murcielago Luechojun Cielo Lucunudue Perro Luechee Sol Yocunpat Coyote Luechendu Luna Chip Tigre Luichiayaa Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Zorra Tiundu Mañana Nityu Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Rélámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechojoo	•		* •	
CieloLucunuduePerroLuecheeSolYocunpatCoyoteLuechenduLunaChipTigreLuichiayaaEstrellaNohuuOsoLuichansaaDiaNaschuheeLeón, pumaLuichiatuyNocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuRelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuechundooLagoSujoyAlacranLuechojoo	•	Susconu	Murcielago	•
SolYocunpatCoyoteLuechenduLunaChipTigreLuichiayaaEstrellaNohuuOsoLuichansaaDiaNaschuheeLeón, pumaLuichiatuyNocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuRelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Cielo	Lucunudue	•	•
LunaChipTigreLuichiayaaEstrellaNohuuOsoLuichansaaDiaNaschuheeLeón, pumaLuichiatuyNocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuKelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Sol	Yocunpat	Covote	Luechendu
Estrella Nohuu Oso Luichansaa Dia Naschuhee León, puma Luichiatuy Noche Nachunju Tejón Lueschaa Tarde Matuma Ciervo Sonducho Primavera Daacachi Jabalí Luechucundea Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Rélámpago Dicodunduit Tortuga Llubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechojoo	Luna	Chip	•	Luichiavaa
NocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuKelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Estrella	•		. •
NocheNachunjuZorraTiunduMañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuKelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Dia	Naschuhee	León, puma	Luichiatuv
MañanaNityuTejónLueschaaTardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuKelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Noche	Nachunju		•
TardeMatumaCiervoSonduchoPrimaveraDaacachiJabalíLuechucundeaVeranoDitaycunduiArmadilloLuechioInviernoDitaenpuchujinRatonTeochitVientoSimanchuheConejoTiusuTruenoSihyArdillaTuipsuKelámpagoDicodunduitTortugaLubiLluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Mañana	•	Tejón	Lueschaa
Verano Ditaycundui Armadillo Luechio Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Tarde		Ciervo	Sonducho
Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Primavera	Daacachi	Jabalí	Luechucundea
Invierno Ditaenpuchujin Raton Teochit Viento Simanchuhe Conejo Tiusu Trueno Sihy Ardilla Tuipsu Relampago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Verano	Ditaycundui	Armadillo	Luechio
Trueno Sihy Ardilla Tuipsu Rélámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Invierno	Ditaenpuchujin	Raton	
Relámpago Dicodunduit Tortuga Lubi Lluvia Cobataa Lagartija Cuchucuan Nieve Nitohuasaa Caballo Luesho Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luechundoo Lago Sujoy Alacran Luechojoo	Viento	Simanchuhe	Conejo	Tiusu
LluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Trueno	Sihy	Ardilla	Tuipsu
LluviaCobataaLagartijaCuchucuanNieveNitohuasaaCaballoLueshoFuegoMaachunMoscaSunpAguaDaatioMosquitoLuetaaHieloChucunytaenSapoLuecuTierraSohotCulebra, serpienteLuechuchaaMarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Relámpago	Dicodunduit	Tortuga	Lubi
Fuego Maachun Mosca Sunp Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo		Cobataa	Lagartija	Cuchucuan
Agua Daatio Mosquito Luetaa Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Nieve	Nitohuasaa	Caballo	Luesho
Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Fuego	Maachun	Mosca	Sunp
Hielo Chucunytaen Sapo Luecu Tierra Sohot Culebra, serpiente Luechuchaa Mar Daadoe Culebra de casca- Rio Sujop bel Luehundoo Lago Sujoy Alacran Luechojoo	Agua	Daatio	Mosquito	Luetaa
MarDaadoeCulebra de casca-RioSujopbelLuehundooLagoSujoyAlacranLuechojoo	Hielo	Chucunytaen	Sapo	Luec u
Rio Sujop bel Luchundoo Lago Sujoy Alacran Lucchojoo	Tierra	Sohot	Culebra, serpiente	Luechuchaa
Lago Sujoy Alacran Luechojoo	Mar	Daadoe	Culebra de casca-	
	Rio	Sujop	bel	Luehundoo
37-11 37-2-2-2-2- A 7	Lago	Sujoy	Alacran	Luechojoo
valle <i>Nochujun</i> Ave <i>Luesaa</i>	Valle	Nochujun	Ave	Luesaa

Alla

Dom

Huevo	Tigueschuen	Hoy	Seguam
Plumas	Sec	Ayer	Seguam Huaja
Alas	Senguiho	Mañana (el dia de)	Truaja Yu
Ganso	Senguino Huicancho	Sí	I u Llaa
Pato	Lueian	No	Tiáa Tiáa
		Uno	I iaa Vncui
Zopilote	Esten		
Cuervo	Suincondie	Dos	Huquee
Guajalote	Cholo	Tres	Dee
Paloma	Luetup	Cuatro	Nunquee
Pez	Luetiusaa	Cinco	Vun
Bobo, pescado	Luetsca	Seis	Ynu
Anguila	Luichi	Siete	Diquee
Nombre	Suiyucho	Ocho	V- n - m
Blanco	Naquichi	Nueve	Ni-jin
Negro	Luento	Diez	Ynqui
Colorado	Nat hiique	Once	Ynquichucuy
Azul celeste	Nat sumaa	Doce	Ynquichohnie
Amarillo	Najan	Veinte	Diquihiit
Verde	Nathuy	Treinta	Dinquinchuqu i
Grande	Top maa	Cuarenta	Huenaa
Fuerte	Nihuitna	Cincuenta	Huenaachunqui
Viejo	Ditijio	Sesenta	Denaachunqui
Jóven	Yuchonit	Setenta	Denaachunqui
Bueno	Lolarot	Ochenta	Niquenaa
Malo	Huinat	Noventa	Ninquenaachoqui
Muerto	Sohoo	Ciento	Unnaa
Vivo	Banut	Comer	Tachincuaa
Frio	Tein	Beber	Chincuaa
Caliente	Minat	Correr	Luenanut
Yo	Taa	Bailar	Luechynut
Tú	Nuhu	Cantar	Cataa
Él	Chahuaa	Dormir	Luchuu
Nosotros	Masoia	Hablar	Cuanp
Vosotros	Taa	Ver	Coquindidu
Ellos	Chaguaa	Amar	Tanduee
Este	Naquam	Matar	Luichicuee
Aguel	Cuichinaguaa	Sentarse	Сиртаа
Todo, todos	Huachauijop	Estar en pie, par-	Cupillad
Mucho, muchos	Dindee	arse	Cundi ju
Quien	Ninatin	Ir	Cajaa
Léjos	Lina	Venir	Dendiut
Cerca de	Lina Dion	Andar	Cacaa
		Trabajar	Luisaapchinaa
Aquí	Dojo	Travajar D	<i>Eursaupenmaa</i>

Robar

Sanchuee

Mentir	Sacantu	Gorjear	Otaaquiza
Dar	Linaap	Voluntad	Nanucochun
Reir	Lujup	Memoria	Nadaa squen
Gritar	Luitisuaa	Pensamiento	Machitiyuh
Bramar	Tisuhaa	Bondad	Sanhuayasaha
Ladrar	Cuchucui	Amor	Tadiduchu
Cacarear	Cutisuagutujun	Olvido	Docochuchut
Tronar	Conaha	Verdad	Amayut
Gotear	Lutucuudea	Razon	Nuhiimamama
Charlar	Diquinisaham	Pereza	Dinini
Lloviznar	Dachuscaha		

MAZATEC STOCK (Familia Mazateca)

We do not affiliate the five languages of this stock (Chocho, Popoloco, Trique, Mazateco, and Ixcateco) with others and will call them Mazatecan. Our reasons are: All five are closely related, as may be seen by the list given at the end of this section. It has been variously claimed that one or all of these languages are related to Mixtec, but this has never been proved. We can find no such relationships from a study of our vocabularies.

Сносно

Orozco y Berra says of Chocho:

Lengua hermana de la mixteca. En Oaxaca lleva el nombre de chocho: en Puebla el de popoloco; en Guerrero el de tlapaneco; en Michoacan teco; en Guatemala pupuluca: es el antiguo yope. La nacion que usaba de esta habla parece ser una de las mas antiguas del país.

His list of pueblos does not quite agree with ours. We have vocabularies from Coixtlahuaca, Jicotlan, San Jeronimo Otla, and Tlapeltepec, all in the district of Coixtlahuaca. In the district of Teposcolulu, from Santa María Tamazulapan and San Antonio, neither of which is given by Orozco y Berra. His area, however, is practically the same as the one given on our map. That given by Belmar corresponds in general with ours. He describes it as follows:

Los Chochos, llamados tambien popolocos, habitan los Distritos de Coixtlahuaca y Teposcolula, y limitan con los mixteca y los popoloca y chuchones del Estado de Puebla.

Speaking of Chocho and Popoloco, Pimentel says:

Tambien el Popoloco de Puebla es un dialecto distinto del Chochon, aunque muy parecido, segun puedo juzgarse por la siguiente comparacion de los adjetivos numerales que he podido recojer en los dos dialectos.

	Chuchon	Popoloco
uno	ngu	gou
dos	yuu-rina	yuu
tres	ni-rina	nii
cuatro	nuu-rina	noo
cinco	nau-rina	nag-hỏu
seis	njau-rina	tja
siete	yaatu-rina	yaata
ocho	nh-rina	gnii
nueve	naa-rina	na
diez	te-rina	tie

La terminacion rina, en Chuchon, parece ser un signo de adjetivo numeral.

This dialectic difference exists not only in Puebla but in the Popoloco villages of Oaxaca, where there seems to be a difference from the adjacent Chocho villages. It comes out quite clearly in Dr Peñafiel's vocabularies, some of which bear the name Popoloco, while others are termed Chocho. This list shows the relationship thus brought out.

	Сносно	Popoloco
uno	gu	ngu
dos	yu	nie
tres	nie	nnuu
cuatro	nuo	lluun
cinco	yun	tllun
seis	isan	llădŭ
siete	yada n	tllin
ocho	yusis	nnă
nueve	naa	te
diez	tee	taon
lluvia	ichin	chai
agua	$oldsymbol{ind}a$	inda
hielo	cinda	yaa
tierra	inche	nunde
mar	indaxaum	ndutllon
rio	imda	inda
pecho	naquin	ndaquin
hueso	inda	in da

Belmar does not seem to find this distinction, but calls those found in Pueblo, Popolocos. León considers them the same, while Starr is rather inclined to think that Popoloco is the name of the language, Chochos the name of the people. The names given in Peñafiel's vocabularies may accidentally happen to coincide with only a minor dialectic difference.

These two languages are usually classed as members of the Mixtec-Zapotec family, with closer affiliation with Mixtec than with Zapotec. Pimentel says:

Lo que si puedo asentar, sin temor de equivocarme, y mas interesante á mi objeto, es que el Popoloco y el Chuchon pertenecen á la familia Mixteco-Zapoteco: tal es la opinion de todos los conocedores de esos idiomas, y esa opinion la encuentro confirmada por las comparaciones que he podido hacer, y de que presento las siguientes muestras.

His comparison, which follows, is not confined to any two languages, but any two of the four—Popoloco, Chocho, Mixteco, and Zapoteco. Since we do not consider Zapotecan as belonging to the same family, we will leave it out of consideration.

Pimentel does not state from what sources he draws his Chocho or Popoloco vocabularies; however, they show great diversity from those we have examined, which latter, however, are quite uniform for vocabularies of this class.

The following is Pimentel's list of Chocho-Mixteco comparisons:

	P = Popoloco:	M = Mixteco;	C = Chocho
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Padre	P. Dutua	M. Dzutu
	C. Táa	M. Táa
Hermano	P. Tzi-kichie	M. Kuhua
Mano	P. Duteni	M. Nani
Cielo	C. Nganhuina	M. Andehui
Dia	C. Methi	M. Dehui
Luna	P. Yaa	M. Yoo
Mundo	P. <i>Ye</i>	M. Yehui
Maiz	P. Naua	M. Nuni
Piedra	P. Choo	M. Chuu
Azul	P. Yuhua	M. Sandayuhua
Dos	P. Yuu	M. Uhui
Tres	P. Nii	M. Uni
Cinco	P. Naghou	M. Hoho
Ocho	P. Gnii	M. Una
Yo	P. Snia	M. Ndi
Tu	P. Daha	M. Doho

Nosotros	C. Nau	M. Ndoo
Comer	P. Asindie	M. Yosasindi
Ver	C. Tiyku	M. Yotiso
Oler	C. Chituni	M. Yotnani
Si	C. Haau	M. Dzahua

It may be inferred from the method which he employs of comparing now with Zapotec, now with Mixtec, that his list has been selected to bring out striking resemblances or unmistakable evidences of relationship, but apparently they do not exist. Of a list of twenty-three words there are only eight which can be considered as showing any relationship, namely:

Padre	P. Dutua	M. Dzutu
	C. Táa	M. Táa
luna	P. <i>Yaa</i>	M. Yoo
mundo	P. <i>Ye</i>	M. Ye-hui
piedra	P. Choo	M. Chuu
azul	P. Yuhua	M. Sanda-yuhua
tu	P. Daha	M. Doho
comer	P. Asindie	M. Yos-asindi

For the time being, it seems safer to await further evidence before combining these languages in one group, although their relationship is not unlikely.

2. MAZATECO

Mazateco is spoken at the north of Cuicateco on the Vera Cruz border. All agree on this locality. Our vocabularies come from the following places:

District of Teotitlan:	District of Tuxtepec:
San Lorenzo Cuaunelcuiltitla.	Jalapa de Diaz.
Huautla de Jiminez.	San Miguel Soyoltepec.
Huchuetlan San Francisco.	San Pedro Ixcatlan.

Orozco y Berra says:

En el departamento de Teotitlan, formando una pequeña fraccion en el límite con el Estado de Vera Cruz. El mazateco está todavía por clasificar.

Dr Starr says that the Mazatecs are found in the Districts of Cuicatlan and Teotitlan. He is evidently wrong in omitting Tuxtepec, for some of Dr Peñafiel's vocabularies come from that district. It is known that several of the villages in the District of

Tuxtepec are Mazatec, for the writer obtained vocabularies from Mazatec Indians who came to Tuxtepec to trade. It is quite probable, however, that a few Mazatecas are found in the District of Cuicatlan. Belmar gives Teotitlan and Tuxtepec, as we do. He divides the Mazatecan language into two dialects—Mazateco and Izcateco. The difference is quite strong between Izcateco and Mazateco in Dr Peñafiel's vocabularies, as is shown in the comparison at the end of this stock. Dr Peñafiel's Izcateco vocabularies are two in number, one from Izcatlan Santa María in the District of Teotitlan, and the other from Izcatlan in the District of Tuxtepec.

Mazateco has been classed by most authors as a member of the Zapoteco-Mixteco stock. Orozco y Berra was not able to classify it, but Pimentel, speaking of Solteco and Mazateco, says:

Estas dos lenguas se hablan en Oaxaca. Las noticias que sobre ellas he recibido me hacen creer que pertenecen á la familia mixteco-zapoteco, opinion que encuentro confirmando respecto al mazateco, examinando el PATER que inserto adelante en dos dialectos, pues encuentro algunas voces análogas á las correspondencias de los idiomas mixteco-zapotecos ya he estudiados.

He gives no proofs, however.

In *The American Race* Brinton places not only Mazateco but all the other members of this stock in the Zapotec-Mixtec linguistic stock; but in a paper read before the American Philosophical Society¹ he classes it differently. No one, except Lehmann, who has since written on the stocks of Oaxaca, has paid the slightest attention to this paper. In his paper Brinton points out the relationship with Chapanec of Chiapas and denies the affinities with the Zapotec-Mixtec stock, which he had previously claimed for it.

In his Lenguas Indígenas de México, Belmar places it in the familiar Mixteco-Zapoteco, but seemingly without proof. Thomas and Swanton say:

Orozco y Berra did not attempt to classify the language, but Pimentel was inclined to refer it to the "Mixteco-Zapoteco" stock or what is here termed the Zapotecan family. This assignment is now universally accepted by students.

¹ Proceedings of the American Philosophical Society for 1892, and South American Languages, Philadelphia, 1892.

The following vocabulary in the four languages which we consider comprise the stock is sufficient to establish their relationships. Popoloco and Chocho may be considered as two dialects of the same language; their relationship has been shown above.

	Сносно	TRIKE	MAZATECO	IXCATECO
uno	gu	goo	gu	namcuu
dos	yu	hui	jo	lluju
tres	nie	huanen	ja	niegjhe
cuatro	nuo	kahan	nuju	nugjhuh
cinco	yun	hunhug	hu	irstnin
seis	isun	guatan	ju	irshun
siete	yadam	chihi	yato	yatu
ocho	yusin	tehn	ji	gnuhe
nueve	nia	hnhn	naya	hiejheh
diez	tec	chihc	teh	uten
lluvia	ichin	anmha	tzinshajo	dteuibrsti
agua	inda	nehe	di-ujua	ynda
hielo	cinda	yacohui	chaa	dehahnh
tierra	inche	yhuo	nanqui	niingtllcheeh
mar	indaxaum	nehac	pachucu	ndalamar
rio	imda	chaa	dana	yntndar
calabaza	chu	kam	nachu	chuh
frijol	uima	rüne	ñiguma	gmaah
murciélago	uningo	chunhu	ñung u	unungu
templo	ningo	navi	ningushi	nu ungu
pecho	naquim	chiha	nizin	chaacq-jeen
hueso	inda	cu	ninda	ingdta

3. TRIQUE (TRIKE)

Our Trique vocabulary comes from San Juan Copala.

Orozco y Berra places Trique in quite another part of Oaxaca—in the district of Tehuantepec. He says:

Idioma sin classificar. En la relatión de los curatos las cuatro poblaciones que hablan el triqui están confundidas entre las chontales, lo cual no es exacto.

He is evidently wrong in his location of this tribe, for all other authors disagree with him. Sr Belmar marks approximately the same area on his map as we do on ours. In describing their distribution he says:

En la sierra de los mixteca, y en los distritos de Tlaxiaco y Juxtlahuaca habita la tribu trique, rodeada enteramente por los mixteca.

Orozco y Berra gives Copala and Chicahuaxtla as their principal villages. The former is the one from which Dr Peñafiel's vocabulary comes.

Dr Starr's area agrees with Sr Belmar's and our own. gives the following five villages: San Andrés Chicahuastla, Santo Domingo Chicahuastla, San José Chicahuastla, San Martín Ytunyoso, and Copala.

Trique clearly belongs to the Mazatecan stock, as can be seen by the comparative vocabulary given at the end of this section.

IV. CHINANTEC STOCK (Familia Chinanteca)

CHINANTEC

The Chinantec stock, spoken in the northern part of Oaxaca. consists of a single language. It is surrounded by Mazateco, Cuicateco, Zapoteco, and Mexican. The vocabularies of Dr Peñafiel come from the districts of Choapan and Tuxtepec; he has, unfortunately, none from the District of Ixtlan, which according to the last census (1910) has many Chinantecos.

District of Tuxtepec:

San Pedro Loochiapa.

San Antonio Analco.

Santiago Tlatepusco.

Santa Crux Tepetotutla.

San Juan Bautista Valle Nacional.

San Felipe Usila.

San Lucas Ojitlán.

District of Choapan:

Leatao San Juan.

Orozco y Berra gives the following list of pueblos:

TEOTALCINGO

YOLOS, SAN PEDRO

Petlapa.

Comaltepec.

Toavela.

Totomoztla.

Lovani.

Quiotepec.

Tepinapa.

Mineral de San José.

Tocotepec.

Temextitlan.

Lachisola.

San Francisco, las Llagas.

Lacova. Santa María de las Nieves.

Lelana. Maninaltepec. Tetitlan.

VALLE NACIONAL TLACOATZINTEPEC TEPETOTUTLA

Ozumasin. Quesalpa. Soochiapa.

Yetla. Analco San Antonio. Tlatepuzcos, San Pedro.

Jacatepec. Teltitlan. Zapotitlan, San Juan.

Chiltepec. Zautla. Usila. Tecomaltepec.

Tlatepuzcos. San Antonio del Barrio.

Mayoltianguiz.

He places Ojitlan with the Mazatecan villages—an evident error, for in addition to Dr Peñafiel's vocabulary from Ojitlan, the writer recorded two, and both of the informants said that Chinantec is the only language spoken there. A vocabulary was obtained also from Chiltepec. In general, however, Orozco y Berra's area is the same as ours. In this connection, he writes:

Chinanteco. En el Departamento de Teotitlan. La Chinantla, con su cabecera del mismo nombre, era un provincia mexicana; los habitantes eran feroces y guerreros; usaban de lanzas de demesurado tamaño para combatir, manejándolas con destreza y seguridad: desde muy temprano se mostraron amigos de los castellanos.

Brinton's description is:

The Chinantecs inhabited Chinantla, which is a part of the State of Oaxaca, situated in the Sierra Madre, on the frontiers of the Province of Vera Cruz. Their neighbors on the South were the Zapotecs and Mixes, on the North and East the Nahuas. They lived in secluded valleys and on rough mountain sides.

The following is quoted from Belmar:

Los Chinanteca

En la parte Norte del Estado de Oaxaca se encuentra el territorio conocido con el nombre de la *Chinantla*, comprendiendo parte de los Distritos de Ixtlán, Choapan, Cuicatlán, Teotitlán, Villa-Alta y Tuxtepec. En este territorio se haya repartida la nación *chinanteca*, y tiene como principales centros de población Yolox, Jocotepec y Usila. Los *chinanteca* confinan con los mixteca, mazateca, mexica, zapoteca y *ayooks* (mixes). El número de individuos que componen esta raza segun los datos estadísticos, es de 18,051.

"The towns of the Chinantecs," says Dr Starr, "are in the Districts of Chicatlan and Villa Alta of Oaxaca. García y Cubas

in 1876 claimed 12,000 population." We have no vocabularies from Cuicatlan or Villa Alta, but we have two from Tuxtepec and Choapan.

Pimentel makes this statement:

Hervás en su Catálogo de las lenguas conocidas, considera que el Chinanteco es afin del zapoteco, asi como el mazateco. Respecto á este idioma estoy conforme con la opinion de Hervás, segun lo que anteriormente he manifestado; pero del Chinanteco no encuentro ni muestras que estudiar, ni noticias exactas sobre su filiación. Burgoa en su Historia Geográfica, habla del Chinanteco como de un idioma áspero y violente, lo cual no conviene con el zapoteco que es dulce y suave. Sin embargo, como el acento puede cambiar sin alterarse el fondo de un idioma, no es decisiva la indicación de Burgoa, y en consequencia, admitirmos al Chinanteco en la familia mixteco-zapoteco aunque en el concepto de dudoso en su clasificación.

It hardly seems right to classify a language in a family, even with the "concept of doubt," when neither material by which to judge it nor any notices concerning its classification is found.

Brinton discusses the language both in *The American Race* and in his paper read before the American Philosophical Society, January 15, 1892. Therein he describes the language and, noting its entire dissimilarity of morphology and words to the surrounding idioms, reaches the conclusion that it is the only representative of a linguistic stock. In *The American Race* Brinton quotes Berendt in the following words:

Spoken in the midst of a diversity of languages connected more or less among themselves, it is itself unconnected with them, and is rich in peculiar features both as to roots and its grammatical structure. It is probable that we have in it one of the original languages spoken before the advent of the Nahuas on Mexican soil, perhaps the mythical Olmecan.

León considers Chinantec as belonging to the Mixtecan-Zapotecan family, on what ground is not known, as he presents no new evidence nor does he quote his authorities. Belmar likewise puts it in the Mixteco-Zapotecan family, and also fails to present adequate proofs. Thomas and Swanton, however, consider it as the sole representative of the Chinantec stock.

The Chinantec vocabularies collected by Dr Peñafiel have been compared with those collected by him from the surrounding stocks, particularly Mazateco, Mixteco, and Zapoteco, but no resemblance between them could be found. It seems impossible to classify Chinanteco as a member of the Zapotec stock, as other authors have done, therefore Brinton's classification is followed and its independence as a stock language retained.

V. CHONTAL STOCK (Familia Chontal)

CHONTAL

Chontal is spoken in a small area close to the Pacific ocean in the districts of Tehuantepec and Yautepec. The towns in which it is spoken are scattered among the Zapotec settlements. Our vocabularies come from the following places:

District of Tehuantepec:
Tequistlan.
Huamelula.

District of Yautepec:
Santa María Ecatepec.
Santa Lucia Mecaltepec.
Santa María Candelaria.

Chontecomatlan.

Orozco y Berra says it is spoken in the Department of Tlacolula and gives the following villages:

Ecatepec, Santa María:

Teipan. Peña.

Jilotepequillo. Jamiltepec.

Acatepec. Tecolotepec.

Chontecomatlan. Candelaria.

Tlahuilotepec. Suchiltepec.

Ixcotepec. Topiltepec.

Mecaltepec Tlacolulita.

Chongo. Ecaltepec, San Miguel.

Sosoltepec. Alotepec.
Chiltepec. Zapotitlan.
Petacaltepec. Tepalcatepec.

Belmar describes their distribution in the following manner:

Estos pueblos en el Estado de Oaxaca comprendían en tiempo del régimen colonial el partido llamado chontales, cuya cabecera fué el pueblo de Santa María Ecatepec. Se extendían de Oriente á Poniente de Huamelula. . . .

En la actualidad dicha nación chontal se haya extendida en el Estado de Oaxaca, en los distritos de Yautepec y Tehuantepec.

Los chontales se encuentran al Sureste de la cabecera de Yautepec, dis-

frutando de los diferentes climas, según la fragosidad de sus terrenos, y rodeados por los mixes, los zapoteca y los zoque, de cuyos usos y costumbres participan.

Regarding the Chontal and their language Dr Starr says:

An unfortunate confusion exists regarding these people. Orozco y Berra is partly to blame for it; Brinton has increased the confusion by an attempt to remove it. Orozco's error is in calling some of the more important Chontal towns Trique: he also gives a list of real Chontal towns, but at the same time introduces at least one Zapotec town into the list,—Tlacolulita. The Oaxaca Chontals live in the District of Tehuantepec. Brinton claims that Chontal is a misnomer: that it is a word meaning stranger, and not a tribal name, and that it is equally applicable to many different tribes. That the word is Aztec, meaning stranger, is true: that the word may be applicable to various tribes may be true, though not yet proved. That the name is regularly and consistently applied to the towns of Oaxaca above indicated is certain; that the people living in these towns call themselves Chontals, and speak one and the same language which they call Chontal, is also certain.

In view of these facts it seems better to discontinue the use of the name Tequixtlatecan, both for the stock and its languages. Concerning the affiliation of Chontal much difference of opinion exists. Orozco y Berra classed it as a member of the Mayan family; Pimentel considered it a separate stock; both León and Belmar regarded it as a member of the Nahuatlan stock, while Brinton thought it probably belongs in the Yuman. Thomas and Swanton make no statement regarding its relationship. As no Yuman material was at hand the writer will call it a separate stock, for no resemblance to Mexican or to Maya is apparent.

VI. HUAVE STOCK (Familia Huave)

HHAVE

Huave is spoken in a few villages in the districts of Juchitan and Tehuantepec on the Pacific coast. The vocabularies of Dr Peñafiel come from the following towns:

District of Juchitlan: San Francisco Hixhuatán. San Dionisio del Mar.

Santa María del Mar.

District of Tehuantepec: San Mateo del Mar.

Orozco y Berra lists these four towns and Ixhuatlan. Juan de Torres, writing in 1580, described them as living in the same locality

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which they now inhabit. Belmar gives the same villages as Orozco y Berra, but says: "Ixhuatlán se haya abandonado en la actualidad." Dr Starr confirms this in the following words:

They have today but four villages, San Mateo del Mar, Santa María del Mar, San Francisco del Mar, and San Dionisio del Mar. Ixhuatan, mentioned by Orozco, has long been abandoned. We can say nothing of the language but present a brief vocabulary. The people are conservative and are rarely visited by white men. Their towns lie at the edges of, or near, long and narrow, shallow lagoons of salt water reaching inland from the Pacific Ocean.

A great deal of difference of opinion exists over the classification of Huave. Orozco y Berra did not know how to classify it, but believed it to be related to some linguistic family in Guatemala, for what reason he does not say. His statement follows:

Su lengua es diferente de las otras que se hablan en México: *huave* hemos visto que la nombran en los libros consultados, solo el MS. de Juan de Torres la llama guazonteca (huazonteca), por lo cual le damos ambas denominaciones: no la hemos clasificado y creemos que corresponde á alguna de las familias de Guatemala.

Dr León places it in the family Maya-Quicheana. Belmar also believes it related to Maya and gives a list of words to prove it, but there does not seem to be much similarity between Maya and Huave. Brinton was of the opinion that "the vocabularies of their tongue are too imperfect to permit identification." Thomas and Swanton believe that it constitutes a family in itself. "So far as is known," they say, "the language cannot be assigned to any recognized stock—therefore for the present it must remain as the representative of a distinct family." We agree with them in this and accordingly class it as a distinct stock.

VII. ZOOUE STOCK (Familia Zoque)

Mixe and Zoque are the only members of this family found in Oaxaca. Thomas and Swanton include Old Popoloco and Tapachula in the same family. They follow Berendt in regard to Popoloco, and Sapper in respect to Tapachula. As we have no material from these two languages we cannot render an opinion. The resemblance and the relationship between Mixe and Zoque is so close and so well established that it is needless to quote vocabularies.

I. Zoque

Zoque is spoken in the extreme eastern portion of Oaxaca and in the adjoining districts of Chiapas and Tabasco. When treating of their distribution, Orozco y Berra says:

Los Zoques se encuentran derramados en Chiapas, Tabasco, y Oaxaca, tienen al Norte el mexicano y el chontal, al Este el tzendal, el tzotzil y el chiapanico, al Sur el mexicano y al Oeste el huave, el zapoteco, y el mixe.

He gives the following list of Zoque villages in Oaxaca:

Chimalapa, San Miguel. Zanatepec, Santo Domingo.

Chimalapa, Santa María.

Niltepec, Santiago.
Tapana, San Pedro.

Dr Peñafiel's vocabularies come from San Miguel Chimalapa and Santa María Chimalapa of the district of Juchitan. They are the first two of Orozco y Berra's list.

2. MIXE

Mixe is spoken to the west of Zoque. We are particularly well informed about the names of their villages, having the lists of Orozco y Berra, Belmar, and Peñafiel.

The latter's vocabularies come from the following places:

District of Choapan: District of Villa Alta:

Atitlan. Mixistlan.

Puxmeteca. Santa María Asunción Totontepec.

District of Juchitan: San Pablo Ayutla.
San Juan Guichicovi. Tlahuitolotepec.

District of Tehuantepec: San Cristobal Chichicaxtepec.

Mazatlan San Juan. District of Yautepec:

Cacalotepec.

San Miguel Quetzaltepec.

Belmar has made a thorough study of the Mixe and gives the following villages. Those found in our list are indicated by an asterisk.

District of Choapan: Parroquia de Puxmetecán: Puxmetecán* Cotzocón

Atitlán* Zacatepec Ozolotepec Chisme

Alotepec Metaltepec Candavoc

Ayacastepec Parroquia de Ayutla:*

Ayutla* Tamazulapam Tepuxtepec Tlahuilotepec*

Tepantlalli

District of Juchitán: District of Yautepec:
Guichicovi* Parroquia de Juquila:

District of Tehuantepec: Cacalotepec* Ocotepec

Acatlán Mazatlán* Acatlancito

Chimaltepec Tutla Parroquia de Quezaltepec:*

Malacatepec Canotlán Ixcuintepec

District of Villa Alta: Huitepec Coatlán

Parroquia de Chichicaxtepec:* Parroquia de Jilotepec:

Tiltepec Huitepec Jilotepec Nazaviguiti
Mixestlán* Metepec Agua Blanca Lachixonase

Yacochi

Parroquia de Totonepec:

Amatepec Tonaguía
Moctun Jayacastepec
Tipitongo Ocotepec

Tareta

Orozco y Berra's list corresponds closely with this. It is as follows:

Acatlan San Pedro Metepec
Tutla Puxmecatan
Mazatlan Candayó
Malacatepec Cotzocon

Chimaltepec Chisme

Atitlan Guichicovi, San Juan
Sacatepec Boca de Monte
Alotepec Jilotepec Santiago
Metaltepec Agua blanca

Ayacaxtepec Jilotepec San Pedro
Ayutla Jilotepec San Sebastian
Tagustepes San Crus

Tepustepec Jilotepec San Cruz
Tamasulapan Nizaviquinta
Tepantlali Lachixonaxe
Tlahuitoltepec Juiquila
Chichicastepec Cacalotepec

Mixistlan Ocotepec
Huitepec, Santa María Acatlacinto
Tiltepec Lachixila

Yacochi Quiavicusas

Xovaquia Totontepec Lachixela Jazacastepec Quetzaltepec Amatepec Coatlan **Iareta** Camotlan Tonoguia Camollan Ocotepec Ixcuintepec Tepitongo Huitepec Moetun

VIII. MEXICAN STOCK (Familia Mexicana) MEXICAN (AZTEC)

Dr Peñafiel has five Mexican vocabularies. They come from the following places:

District of Silacayoapam: District of Tuxtepec:

Santa Ana Rayón Tuxtepec

District of Teotitlan: District of Pochutla:

Santa María Teopoxco Pochutla

San Martin Toxpalan

These five vocabularies represent three distinct dialects. The three vocabularies from the districts of Silacayoapam and Teotitlan belong to the Puebla dialect, which is very similar to classical Mexican, or that dialect spoken in the valley of Mexico, the chief difference being that the glottal stop is replaced by an unvoiced palatal spirant.

The other two vocabularies represent quite distinct dialects.

The Tuxtepec Dialect

The dialect spoken in Tuxtepec shows many phonetic differences, among the most important being the use of t in Tuxtepec where the classical Mexican has tl. The absence of the saltillo is noticeable. Both k and g occur in the Tuxtepec dialect, where in the classical dialect only k occurs. Final n is dropped in Tuxtepec. Some of the differences of a morphological nature are: the retention of the t in the possessive form where it is dropped in the valley (amat paper, nuamat my paper, the classical correspondents being amatl and namauh); the absence, with one exception, of reduplicated plurals, such as cocoa plural of coatl, snake; the absence of the preterite form of the verb with an o augment.

During the writer's stay in Tuxtepec careful inquiry was made in regard to other possible Mexican villages nearby, but none was found. The nearest villages are all Chinantec, some of which are not much more than fifteen miles from Tuxtepec. The Mazatecan villages are much nearer than the nearest Mexican town.

Amatlan, lower down the river Popolhuapam, is the nearest Mexican town, and is distant about 75 miles. There were no informants whose services could be obtained, but the testimony of the people of Acoula, who still speak Mexican fluently, is that the two villages spoke the same dialect. Acoula is ten or fifteen miles distant from Amatlan. The dialect of Amatlan is quite different from Tuxtepec, although neither have the the sound. In fact, it is quite probable that the dialects of most of the Mexican area did not have that sound. In the grammar of Cortés Zedeña, of the bishopric of Guadelaxara, it is absent, and Dr Walter Lehmann finds it also absent from the Central American dialects. It probably does not occur in Chiapas and Tabasco, and it is absent in Pochutla.

Besides this feature, the Pochutla dialect shows many interesting differences from the classical dialect. Among the most important is the shifting of accent. For the classical dialect it is always on the antepenult; in the Pochutla dialect it is almost always on the ultima.

NAMES OF THE VILLAGES FROM WHICH PEÑAFIEL'S VOCABULARIES COME

I. FAMILIA ZAPOTECA:

I. Zapoteco.

Distrito del Centro.—San Bartola Coyotepec.

Distrito de Choapin.—Yahuive, Jaltepec.

Distrito de Ejutla.—Santa María Chichihualtepec, Coateces Altas, San Vicente Coatlan, San Martín Lachila, Santa Cruz Nixila, San Andrés Sabache.

Distrito de Jamiltepec.—San Antonio Ocotlan.

Distrito de Juchitán.—Juchitán, Espinal, Unión Hidalgo. Distrito de Miahuatlan.—San Mateo Río Hondo, San Juan Mixtepec, San Agustin Mixtepec, San Luis Amatlán, San Pablo Coatlán, Santa María Coatlán, San Andrés

Paxtlán, Santiago Papaguía, Santiago Xanica, Santa María Ozolotepec, San Juan Ozolotepec, Santo Tomás Tamazulapan, Santa Caterina Cuixtla, Santa Cruz Ozolotepec.

Distrito de Ocollan.—Ocotlan de Morelos, Santiago Apostol, Santa Ana Zegache, San Pedro Apostol, Ocotlan Magdelena, San Baltasar Chichicapan, Santa Lucía Ocatlan, San Miguel Tilquiapan, Santa Tomás Jelieza, Santa Martín Tilcajeta.

Distrito de Pochutla.—Piñas San Mateo, San Juan Loxicha. Distrito de Tehuantepec.—Tehuantepec, Tlacotepec, Jalapa del Estado.

Distrito de Tlacolula.—Tlacolula de Matemoros, Villa de Mitla, San Pablo Mitla, Tlacochahuaya, San Juan Teitepac, San Pedro Quiatoni, San Dionisio Ocotepec, Teotitlan del Valle, San Juan Guelavia, San Lucas Quiaviní, Santiago Matatlan, Santa María Albarradas.

Distrito de Tlaxiaco.—San Pedro el Alto, Yolotepec de la Paz, Chalcatongo, San Juan.

Distrito de Villa Alta.—Beltaza, Tanetze, Talea Lachiroag, Tabag, Yazona, San Francisco Cajonos, Zoochila, Xagalaxi, Lachixila Vijanos.

Distrito de Zimatlán.—Zimatlán, Santa María Zachila, Huixtepec, Santa Cruz Mixtepec, Ayoquezco.

Distrito de Yautepec.—San Bartolo Yautepec, Santa María Asunción Quiegolani, Quiechapa.

Solteco.

Distrito de Villa.—Alvarez (Zimatlán), San Miguel Solo.

3. Chatino.

Distrito de Juquila.—San Juan Quiahije, Santa Crnz Tepenixtlahuaca, Santa María Tlapanalquiahuitl, San Juan Lachao, Zensontepec.

II. FAMILIA MIXTECA:

I. Mixteco.

Distrito de Huajuapan.—Huajolotitlan, Miltepec Santiago, Santiago Chazumba, San Martín Zacatepec, Tequistepec. Distrito de Jamiltepec.—Jamiltepec.

Distrito de Juquila.—Tututepec.

Distrito de Juxtlahuaca.—Juxtlahuaca, San Juan Mixtepec, Tecomaxtlahuaca, San Juan Lagunas, Santiago Coycoyan, Santa Caterina Noltepec. Distrito de Nochixtlan.—Nochixtlan, Yahuitlan, Santo Domingo, Yodocono Magdelena, Tilantongo Santiago, Magdelena Jaltepec, Apoala Santiago, Teozacoalo San Pedro, San Pedro Cantaros, Tecomatlan, San Miguel.

Distrito de Silacayoapan.—San Pedro, San Miguel Ahuehuetitlan, Calihuala, Tlapacingo San Francisco.

Distrito de Teotitlan.—San Juan Coatzopan.

Distrito de Teposcolulu.—San Vicente Nuña, San Pedro Martín Yucunana, Tlatayapan, Santa María Tiltepec.

2. Cuicateco.

Distrito de Cuicatlan.—Cuicatlan, Concepción Pápalo, San Francisco Chapulapa.

3. Amuzgo.

Distrito Jamiltepec.—San Pedro Amuzgos.

III. FAMILIA MAZATECA:

IA. Chocho.

Distrito de Coixtlahuaca.—Coixtlahuaca, Jicotlan Tequistepec, San Jerónimo Otla, Tlapitepec.

Distrito de Teposcolulu.—Santa María Tamazulapan, San Antonio Acutla.

IB. Popoloco.

Distrito de Coixtlahuaca.—Coixtlahuaca, Santo Domingo Tepene.

2A. Mazateco.

Distrito de Teototlan.—San Lorenzo, Cuanelcuiltitla, Huautla de Jimenez, Huechuetlan San Francisco.

Distrito de Tuxtepec.—Jalapa de Diaz, San Miguel Soyaltepec, San Pedro Ixcatlán.

2B. Ixcateco.

Distrito de Teotitlan.-Ixcatlán Santa María.

Distrito de Tuxtepec.—Ixcatlán.

3. Trique.

Distrito de Juxtlahuaca.—San Juan Copala.

IV. FAMILIA CHINANTECA:

1. Chinanteco.

Distrito de Tuxtepec.—San Pedro Loochiapa, San Antonio Analco, Santiago Tlatepusco, Santa Cruz Tepetotutla, San Juan Bautista valle Nacional, San Felipe Usila, San Lucas Ojitlan.

Distrito de Chiapam.—Leatao San Juan.

V. FAMILIA CHONTAL:

I. Chontal. Tequistlan.

Distrito de Tehuantepec.—Tequistlan, Huamelula.

Distrito Yautepec.—Santa María Ecatepec, Santa Lucía Mecaltepec, Santa María Candelaria, Chontecomoatlan.

VI. FAMILIA HUAVE:

I. Huave.

Distrito de Juchitan.—San Francisco Hixhuatán, San Dionisio del Mar, Santa María del Mar.

Distrito de Tehuantepec.—San Mateo del Mar.

VII. FAMILIA ZOQUE:

1. Mixe.

Distrito de Choapan.—Atitlan, Puxmetacan.

Distrito de Juchitan.—San Juan Guichicovi.

Distrito de Tehuantepec.-Mazatlan San Juan.

Distrito de Villa Alta.—Mixistlan, Santa María Asunción Totontepec, San Pablo Ayutla, Tlahuitoltepec, San Cristóbal Chichicaxtepec.

Distrito Yautepec.—Cacalotepec, San Miguel Quetzaltepec.

2. Zoque.

Distrito de Juchitan.—San Miguel Chimalapa, Santa María Chimalapa.

VIII. FAMILIA MEXICANA:

1. Mexican.

Distrito de Pochutla.—Pochutla.

Distrito de Silacayoa pam. — Santa Ana Rayón.

Distrito de Tuxtepec.—Tuxtepec.

Distrito de Teotilan.—Santa María Teopoxco, San Martín Toxpalan.

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 - HARVARD UNIVERSITY.

CAMBRIDGE, MASSACHUSETTS.